

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 2

In the Claims:

Please cancel claims 8, 16, 22 and 29, without prejudice.

Please amend the claims as follows:

Sub C1 1. (Currently Amended) A system for monitoring a site in vivo, the system comprising:
comprising
a housing configured for being immobilized in vivo;
at least one sensing device for obtaining data of the site, said sensing device connected to said housing; and
a transmitter for transmitting the data obtained by the sensing device; and
a receiving system for receiving the data transmitted by the sensor.

2. (Currently Amended) The system according to claim 1 53 further comprising a processing unit for processing the data obtained from the sensing device.

3. (Currently Amended) the The system according to claim 1 53 further comprising a processing/controlling processing unit for processing the data obtained from the sensing device and for controlling the sensing device in accordance with the data obtained from the sensing device.

4. (Currently Amended) The system according to claim 1 53 wherein the receiving system comprises a display for displaying the transmitted data.

5. (Original) The system according to claim 1 further comprising an internal power source.

6. (Currently Amended) The system according to claim 1 5 wherein the internal power source is comprising a battery.

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 3

7. (Original) The system according to claim 1 wherein the sensing device is selected from the group consisting of: an optical scanner, a pH meter, a thermometer, a sensor of electrical conductivity of tissues or an image sensor.

8. (Cancelled)

9. (Original) The system according to claim 1 wherein the sensing device is an image sensor.

10. (Currently Amended) The system according to claim 9 wherein the image sensor comprises a detector that is capable of being optically changed in response to changes in environmental conditions.

11. (Original) The system according to claim 1 wherein the transmitter is a wireless transmitter.

12. (Original) The system according to claim 1 wherein the housing is configured for being sewn to an in vivo site.

13. (Original) The system according to claim 1 wherein the housing comprises at least one ring on the perimeter of the housing for threading a suture there through.

14. (Original) The system according to claim 1 wherein the housing comprises an indentation around the perimeter of the housing, said indentation configured for receiving a suture.

15. (Original) The system according to claim 1 wherein the housing comprises a niche configured for receiving means for anchoring the housing to a body tissue.

16. (Cancelled)

17. (Original) The system according to claim 1 wherein the housing comprises means for anchoring the housing to a body tissue.

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 4

18. (Currently Amended) The system according to claim 17 wherein the means for anchoring the housing to a body tissue are selected from the group consisting of: pins, clasps, thread, fasteners and suction means.

19. (Currently Amended) A system for post surgery monitoring comprising: comprising a housing configured for being immobilized in the vicinity of a surgery site in vivo; at least one sensing device for obtaining data of the site, said sensing device connected to said housing; and
a transmitter for transmitting the data obtained by the sensing device; and
a receiving system for receiving the data transmitted by the sensor.

20. (Original) The system according to claim 19 wherein the sensing device is an image sensor.

21. (Original) The system according to claim 1 for monitoring a site in the GI tract.

22. (Cancelled)

23. (Currently Amended) An immobilizable in vivo sensing device comprising comprising: a housing configured for being immobilized in vivo; and an in vivo sensor for obtaining in vivo data.

24. (Currently Amended) The device according to claim 23 further comprising a processing unit for processing the data obtained from the in vivo sensor.

25. (Currently Amended) The device according to claim 23 further comprising a processing/controlling processing unit for processing the data obtained from the in vivo sensor device and for controlling the device in accordance with the data obtained from the in vivo sensor.

26. (Original) The device according to claim 23 further comprising an internal power source.

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 5

27. (Currently Amended) The device according to claim 26 ~~wherein the internal power source is 23 comprising a battery.~~

28. (Original) The device according to claim 23 wherein the in vivo sensor is selected from the group consisting of: an optical scanner, a pH meter, a thermometer, a sensor of electrical conductivity of tissues or an image sensor.

29. (Cancelled)

30. (Original) The device ~~according~~ to claim 23 wherein the sensing device is an image sensor.

31. (Currently Amended) The device according to claim 23 ~~wherein the image sensor comprises comprising a detector that is capable of being optically changed in response to changes in environmental conditions.~~

32. (Currently Amended) The device according to claim 23 further comprising a transmitter for transmitting the data obtained by the in vivo sensor.

33. (Original) The device according to claim 32 wherein the transmitter is a wireless transmitter.

34. (Original) The device according to claim 23 wherein the housing is configured for being sewn to an in vivo site.

35. (Original) The device according to claim 23 wherein the housing comprises at least one ring on the perimeter of the housing for threading a suture there through.

36. (Original) The device according to claim 23 wherein the housing comprises an indentation around the perimeter of the housing ~~said indentation~~ configured for receiving a suture.

37. (Original) The device according to claim 23 wherein the housing comprises a niche configured for receiving means for anchoring the housing to a body tissue.

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 6

38. (Currently Amended) The device according to claim 23 wherein the means for anchoring the housing to a body tissue are selected from the group consisting of: pins, clasps, thread, fasteners and suction means.

39. (Original) The device according to claim 23 wherein the housing comprises means for anchoring the housing to a body tissue.

40. (Currently Amended) The device according to claim 39 wherein the means for anchoring the housing to a body tissue are selected from the group consisting of: pins, clasps, thread, fasteners and suction means.

41. (Currently Amended) A drain catheter having comprising:

a distal end and a proximal end, wherein the distal end is inserted into a patient's body and wherein the proximal end is out side outside of the patient's body, said catheter comprising body; and

an imaging device attached to the distal end of the catheter for obtaining in vivo data.

42. (Currently Amended) The catheter according to claim 41 wherein the imaging device comprises comprises: an at least one image sensor and at least one illumination source.

43. (Original) The catheter according to claim 42 41 further comprising a battery.

44. (Currently Amended) The catheter according to claim 41 wherein the imaging device comprises a detector that is capable of being optically changed in response to changes in environmental conditions.

45. (Currently Amended) The catheter according to claim 41 further comprising a transmitter for transmitting the in vivo data.

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 7

46. (Original) The catheter according to claim 45 wherein the transmitter is a wireless transmitter.

47. (Currently Amended) A method for monitoring an in vivo site, the method comprising the steps of:

~~Immobilizing immobilizing a sensing device in the vicinity of an in vivo site; and~~
~~sensing the in vivo site; and~~
~~receiving sensed data of the in vivo site.~~

48. (Currently Amended) The method according to claim 47 further comprising the step of transmitting sensed data prior to the step of receiving the sensed data.

49. (Original) The method according to claim 47 wherein the sensing device is an imaging device.

50. (Currently Amended) The method according to claim 47 55 wherein receiving the sensed data is done externally.

51. (Original) The method according to claim 47 wherein the in vivo site is in the GI tract.

Please add the following new claims:

52. (New) The method according to claim 47 wherein the in vivo site is in small intestine.

53. (New) The system of claim 1 comprising a receiving system.

54. (New) The system of claim 19 comprising a receiving system.

55. (New) The method of claim 47 comprising receiving sensed data of the in vivo site.

56. (New) A method for monitoring an in vivo site, the method comprising the steps of:

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 8

immobilizing an imaging device in the vicinity of an in vivo site; and
imaging the in vivo site.

57. (New) The method according to claim 56 further comprising transmitting image data.

58. (New) The method according to claim 56 wherein the in vivo site is in the GI tract.

59. (New) The method according to claim 56 wherein the in vivo site is in the small intestine.

60. (New) The method according to claim 56 wherein the immobilization is performed during or immediately after surgery.

61. (New) A method for monitoring an in vivo site, the method comprising the steps of:
immobilizing an imaging device in the small intestine; and
imaging at least a portion of the small intestine.

62. (New) The method according to claim 61 further comprising transmitting image data.

63. (New) A method for post-surgical monitoring of an in vivo site, the method comprising the steps of:
during or immediately after a surgical procedure, immobilizing a sensing device in the vicinity of an in vivo site, and
sensing the in vivo site.

64. (New) The method according to claim 63 further comprising transmitting sensed data.

65. (New) The method according to claim 63 wherein the in vivo site is in the GI tract.

66. (New) The method of claim 63, wherein the step of sensing includes imaging.

67. (New) The system according to claim 1 further comprising an externally inducible power source.

68. (New) The device according to claim 23 further comprising an externally inducible power source.

APPLICANTS: MERON, Gavriel et al.
SERIAL NO.: 09/963,950
FILED: September 26, 2001
Page 9

69. (New) The method according to claim 63 wherein the in vivo site is in the small intestine.